

DX bulletin 467 28/07/2022 By ON9CFG ON9CFG@telenet.be

# **News**

# This weekend IOTA contest (July 30-31)

A list of participants can be found here: <a href="https://www.ng3k.com/Misc/iota2022.html">https://www.ng3k.com/Misc/iota2022.html</a>

#### **ZL7/K5WE Chatham Islands -update**

Preparations are proceeding on schedule for a September 9 on-the-air date. I'm pleased to announce my son Scott KD5GEY will be joining me as an assisting operator. We hope to make our presence known with an all band, all mode effort, probably emphasizing CW and FT8. A 60 meter sub-license has been granted. Any help with DXpedition expenses would be appreciated. ZL7 – Chatham Island is #82 on the just released Clublog Most Wanted List. For more info check here.

### Online farewell gathering for JH1AJT

Dear friends of JH1AJT Yasuo Zorro Miyazawa

As I have informed you, our Honorary Chairman Yasuo Miyazawa (Zorro), founder of SEISA Group, passed away on March 23 this year.

Website will be open from 10:00 (Japan standard time) on Wednesday, July 27, 2022 until 23:59 on Sunday, July 31, 2022. Please access the web page and fill in the required information, then it will be able to enter and watch the memorial videos, etc.,





# **DXCC**

### This week on air

This can change daily, please visit <a href="https://www.dx-world.net/">https://www.dx-world.net/</a> for updates.

**4W, TIMOR LESTE** Alan, VK2MET is QRV as 4W/call until August 4. Operation from 40 to 12 meter using CW and digi. QSL via LoTW, Club Log OQRS.

**5H, TANZANIA** Eugen, DL8AAI will be operating as 5H2JK during August. QRV from the Kilimanjaro region during his spare time. More to follow.

**5R, MADAGASCAR** Elvira, IV3FSG will be QRV as 5R8LH from August 1 until September 9. Usually she operates SSB and digital modes in her spare time. QSL via IK2DUW.

A3, TONGA Masa, JAORQV is again active as A35JP until September 25. Activity from 80 to 6 meter using CW, SSB and FT8. QSL via Club Log OQRS or via home call.

07-20 August A35JP/p Niuafo'ou Island (OC-123)

28 August-25 September A35JP Tongatapu Island (OC-049) "Since there is no commercial power available" on the first two islands, he says, operations could be "quite limited in terms of output power as well as time" spent on the air.

**FO, FRENCH POLYNESIA** Georg, DJ6GI is visiting French Polynesia and is QRV as FO/DJ6GI – Moorea Island, OC-046 (July 24-29). QRV in 'holiday-style' on HF bands using IC-7300 and ground-plane mainly on CW & FT4. QSL via eQSL or LoTW only.

HI, DOMINICAN REPUBLIC Orazio, IK2KTE is operating as HI9/call until July 30.

Operation mainly on 20 meter using SSB. QSL via home call.

**HP, PANAMA** Rafael, EA5XV is operating as HP1/call until September 12. Activity on HF using SSB. QSL via home call, direct or bureau.

**J2, DJIBOUTI** James, KI7MGY is stationed in Djibouti (until June 2023) and has been issued with the callsign J28HJ. Although not yet active he will QRV on HF bands (SSB & Digi) when time permits. Logs will be uploaded to LoTW.

**JX, JAN MAYEN** Rune LA7QY and Helge LB4MI are active as JX7QY and JX/LB4MI from Jan Mayen until the beginning of October. Operation during their spare time.

**OA, PERU** Daniel, IK2SGL is active again as OA9DVK until August 31. After that, he will leave the country for good. "Due to serious health problems, both my wife and I need to return to Italy", he says. In the meanwhile, he will concentrate his activity on SSB and CW. QSL OA9DVK via LoTW, Club Log OQRS, or via IK6BFH (bureau preferred)

OJO, MARKET REEF A team with DG5CST, DL3DXX, DL6FBL and SM0W is active until August 1 as OJ0DX. Operation from 80 to 6 meter. An entry in the IOTA contest is included. QSL via DL3DXX, Club Log OQRS.

**TA, TURKEY** Alex, SQ9UM is operating as TA4/call until July 29. QRV from 80 to 6 meter using CW, SSB, FT4/8. QSL via home call, QSO upload to Club Log.

**TG, GUATEMALA** Stephen, K4IM is once again operating as TG9AWS until October. Operation from 160 to 10 meter with focus on RTTY. QSL via home call, direct, LoTW, OQRS Club Log.

**TK, CORSICA** Frans, DJ0TP will be QRV as TK/call until September 3. QSL via home call or LoTW.

**TR, GABON** Roland, F8EN is once again operating as TR8CR until end July. Activity on 40, 30 and 20 meter using CW. QSL via F6AJA direct or bureau.

**TZ, MALI** Jeff, K1MMB is QRV as TZ4AM during July and August. Activity mainly on 6 meter using CW, SSB and FT8. QSL via W0SA.**YN, NICARAGUA** Rafael, NN3RP is QRV from Granada until August 2. Operation on HF using CW, SSB and digi. QSL via LoTW.

**V4, ST KITTS** V47JA is once again QRV from Calypso Bay until August 7. Operation from 160 to 6 meter using SSB and FT8. QSL direct or LoTW.

**ZF, CAYMAN ISL** Frank, K3TRM is QRV as ZF2RM from Cayman Brac until July 30. Focus on 6 meter and satellite. QSL via home call, direct or bureau, OQRS Club Log.

**ZL7, CHATHAM ISL** Volker, ZL1VV is operating as ZL7/call. All QSO's will be uploaded to LoTW as soon Volker is back home. Length of stay is unknown.

# Coming up soon

**3B9, RODRIGUES ISL** A team with 3B8FA, 3B8GF, 3B8CF, 3B8FV and 3B8BAN will be active between August 5 and August 9. Call pending. Operation on HF with an QO-100 SAT operation.

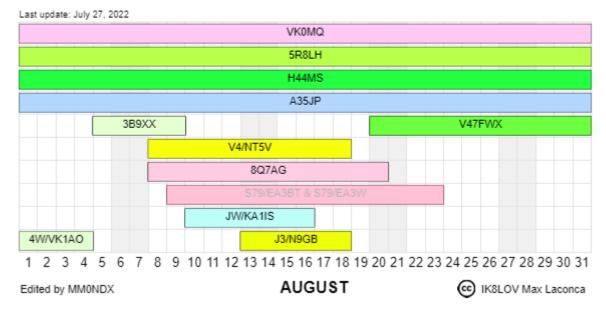
**8Q, MALDIVES** Giovanni, IZ2DPX will be QRV as 8Q7AG between August 8 and August 20. Activity on HF and 6 meter. QSL via home call.

**JW, SVALBARD** Tom, KA1IS will be active as JW/call during August 10-16. Operation on HF. QSL via home call.

**V4, ST KITTS** James, NT5V will be active as V4/call from August 8 until August 18. QRV on HF using CW, SSB and FT8. QSL via home call.

# **DXCC timeline**





# **IOTA**

### This week on air

#### ASIA

**AS-059 Nedorazumeniya Isl** Russian Robinson Club members Oleg R7LP, Mike RM2E, Maxim RU5D, Eugene RZ3EC, Igor UA0IDZ and Igor UA3EDQ will be operating as RI0IR from Sikulun Island on July 28-29. Dates may change depending the weather conditions. Activity is planned from 40 to 10 meter using CW, SSB and FT8. QSL via RZ3EC, LoTW and Club Log.

**AS-079 Miyako Isl** Take JS6RRR and Take JI3DST are operating as call/6 until August 1. Activity from 40 to 6 meter using CW, SSB and digi. QSL via homecalls.

**AS-082 Brusneva Isl** The Russian Robinson Team (UA6EX, RM0F, R7AA, R4WAA) are active as RI0QQ until July 31. An entry in the IOTA contest is included.

https://dxpedition.wixsite.com/ri0qq/

**AS-103 Penghu Isl** A team with BM2AAV, BV5OO, BV5PD, BX2AGL, BX3ACH and BX3AC will be active as BP0A during the IOTA contest. QSL via PO Box 73-326, Taipei, Taiwan.

**AS-125 Chang Isl** Team HS7AP/P will be active from Chang Island during July 29 to August 1. Participation in the RSGB IOTA contest. QRV on 80-40-20-15-10m, CW, SSB & FT8. QSL via E21IZC.

**AS-150 Lingshan Isl** BA4KR, BI4KKC, BD4TS and BI4LBD will be active during the IOTA contest as BY4JN. QSL via BI4IZ.

#### **EUROPE**

**EU-016 Vis Isl** A large team is QRV until August 1. Look for 9A/S50O, S50X, S53Z, S54ZO, S58MU and 9A7YY. QRV from 80 to 6 meter using CW, SSB and FT8. <a href="https://vis-2022.sejmisce.si/">https://vis-2022.sejmisce.si/</a>

**EU-030 Bornholm Isl** Carsten, OZ4CG is active as OZ4SOP for the Sea Of Peace Award during July. QRV using CW only. QSL via Club Log OQRS, LoTW.

**EU-032 Oleron Isl** Jacques F5JY, Alain F6BFH and Laurent F6FVY will be operating as TM5OL during the IOTA contest. Operation on HF using CW and SSB. QSL via F6AJA.

**EU-042 Hallig Hooge** Mike, DG5LAC will be active as call/P during the IOTA contest. Before and after he will operate on HF using SSB, FT4/8. QSL via Club Log OQRS, LoTW or via home call. **EU-045 Ventotene Isl** Alessandro IU3EDK and Massimo IU3KGO will be operating as IB0V between July 29 and August 1. Activity on HF using CW and SSB. An entry in the IOTA contest

will be included. QSL via IU3EDK, direct or bureau.

**EU-129 Usedom Isl** Jef DD2CW and Dirk ON3UN will be operating as DA2W/P between July 29 and August 5. An entry in the IOTA contest is included. QSL via ON3UN, direct or bureau, Club Log OQRS.

**EU-132 Wolin Isl** Look for 4Z5LA and 4X1VF as 3Z5LA/1 between July 29 and August 2. QSL via 4Z5LA.

**EU-147 Kondostrov Isl** Team RI1KO is QRV until August 3. Activity on 80, 40, 20, 15 and 10 meter using CW, SSB, FT4/8. QSL via R1BET, LoTW, Club Log.

**EU-181 Sveti Ivan Isl** During the IOTA contest 2022 (July 30-31), a joint Bulgarian Greek team will be active as LZ0KP. QSL via SV2CLJ.

### **NORTH AMERICA**

### NA-008 Ellesmere Isl NA-009 Cornwallis Isl

Pierre, VK3KTB will again be active as VY0ERC during August 1-16. QRV when time permits as the main purpose of his trip is work related.

While travelling to NA-008 he will also make a stopover in Resolute Bay, Cornwallis Island, NA-009 for 10 days. QRV here as VE3KTB/VY0. Again, activity when time permits. QRV on CW & FT8.

**NA-057 Roatan Isl** Alex, K6VHF is QRV as HR9/call until end July. Activity from 80 to 6 meter using mainly FT8, with some SSB and CW from 80 to 6 meter. QSL via LoTW or home call.

NA-070 Kiska Isl The postponed KL7RRC IOTA DXpedition to Kiska Island K7K has been rescheduled and is now QRV until July 30. During the IOTA contest they will sign KL7RRC. The team includesN3QQ, N6XG, N7QT, NL8F and W8HC. QSL via N7RO. <a href="https://www.na-234.com/">https://www.na-234.com/</a>

NA-128 Ile-aux-Coudress The NA128 Contest Group will once again be QRV as VX2I DURING July 28-31 (IOTA contest). QSL via F5JYD, bureau or direct preferred.

**NA-142 Okaloosa Isl** John, N9EAJ is active as call/P until end July. An entry in the IOTA contest might be possible. Operation from 40 to 10 meter using SSB and CW. QSL via home call direct.

### **OCEANIA**

**OC-047 Guadalcanal Isl** Bernard, DL2GAC will be operating during the IOTA contest as H44MS. Operation using low power. He stays until mid-September. QSL via home call.

OC-139 Kangaroo Isl Grant VK5GR and Chris VK5FR will be active as VK5KI during the IOTA contest. DXpedition Multi-2 category in both SSB and CW modes on 80m-10m prior to the contest, and on the main contest bands of 80/40/20/15/10m during the event. <a href="https://vk5gr-iota.net/2022-vk5ki-oc-139/3031/">https://vk5gr-iota.net/2022-vk5ki-oc-139/3031/</a>

OC-165 Satang Besar Isl Look for 9M8RC during the IOTA contest. QSL via 9W2KIF.

SATANG BESAR ISLAND DXPEDITION (IOTA OC-165)
IARU: R3 / ITU ZONE:54 / CQ ZONE:28 / GL: OJ51BT 30 -31 July 2022



# ANNOUNCEMENTS

# **Announced DX**

### THE NEWCOMERS

**5W, SAMOA** A team with HA5AO, HA5UK and W7IV will be operating as 5W0DX in February 2023. Operation from 80 to 10 meter using CW, SSB and digi. More to follow.

**T8, PALAU** Members of the Western Washington DX Club will be QRV as T88WA between November 2 and November 14. Activity from 160 to 50 meter using CW, SSB and FT8. QSL via M0URX OQRS.

### THE REMINDERS

**3B8, MAURITIUS** Team 3B8M will again be QRV during CQWW CW (November 26-27) and a few days before and after the contest. This will be a M/M operation and confirmed operators so far are G0CKV, KX7M, M0SDV.

**3Y, BOUVET** 3Y0J is a team of 13 international amateur radio operators who, in January 6, 2023, will be sailing to, and operating from, Bouvet Island with the goal of making over 200K QSOs. The DXpedition will start its journey in the Falkland Islands, and the team anticipates sailing for 12 days through the treacherous waters of the South Atlantic Ocean before setting up camp, and operating from, Bouvet Island for 22 days. At the conclusion of our DXpedition, the team will then sail another 12 days to the end point of the DXpedition: Cape Town, South Africa.

**5H, TANZANIA** Sergey, UT8UU says that the 5H3UU DXpedition in scheduled for the second half of 2022. More to follow.

**5H, TANZANIA** Roman, RA/3W3RR (ex-9Q9RR) has announced plans to be active from Zanzibar island, AF-032. Currently no set dates as to when 5H1RR activity may happen due to COVID-19. More info to follow in due course..

**7P, LESOTHO** A South African team will be operating as 7P8CW from November 2 until November 7. A team of 8 ops will be active using SSB, CW and LoTW. QSL via LoTW.

**9M0, SPRATLY ISL** DX0NE is valid for a DXpedition to Kalayaan, Spratly Islands between the period August 1 to December 31, 2022. No specific date(s) yet set for the expedition. License was issued to Gil, 4F2KWT.

A3, TONGA Stan LZ1GC and Ivan LZ1PM will be operating as A35GC sometime in 2022. Activity from 160 to 10 meter using CW, SSB, RTTY and FT8. Logs uploaded during the DXpedition to Club Log. QSL via LZ1GC OQRS, direct or bureau.

CYO, SABLE ISL Permission for a DXpedition has been authorized with the team: WA2DAN, N2IEN, K5DHY, K5YY, K4UEE, WW2DX, AA4NC, N8AA, N2TU. The CYOC Sable Island DXpedition team will be active as CYOS during March 20-29, 2023.

http://cy0dxpedition.net/index.html

**D2, ANGOLA** Bernie, ZS4TX has the license for D2TX and will be operating between August 12-16. Focus on 6 and 2 meter EME.

**D6, COMOROS** Dates still to be determined but D60AE will be on air sometime 2022. A multinational 12 operators team of the F6KOP Radioclub will be with 5 stations in CW, SSB, RTTY and FT8/FT4 modes from 160 to 10 meter + Q0-100.

**E6, NIUE** Stan LZ1GC and Ivan LZ1PM will be operating as E6AM during October-November. Activity from 160 to 10 meter using CW, SSB, RTTY and FT8. Logsuploaded during the DXpedition to Club Log. QSL via LZ1GC OQRS, direct or bureau.

**FM, MARTINIQUE** Jeff, N6GQ will be active as T05Z during the CQWW CW contest (Nov 26-27). Operation before the contest from 160 to 10 meter using CW, SSB. QSL via home call, LoTW.

FM, MARTINIQUE Look for TO5A (FM5BH, F85VHJ and W6NV) during the CQWW DX SSB contest (Oct 29-30). QSL USA SASE via WA6WPG. Others via F5VHJ, LoTW, OQRS, REF Bureau. FO0, AUSTRAL ISL Haru, JA1XGI will be QRV as TX5XG during November. Schedule depending Covid situation. Operation from 160 to 10 meter using CW and digi. QSL via LoTW.

FO/M MARQUESAS ISL Didier, F6BCW will be active as TX7G during October 1-15. QRV on 80-10m, CW, SSB and possibly FT8 and RTTY. QSL via F6BCW

**FP, ST PIERRE & MIQUELON** Chris, VO1CH updates DX-World that due to Covid-19,the TO5T DXpedition to St Pierre & Miquelon has been postponed sometime in 2023. Activity from 160 to 6 meter using CW, SSB and FT8. http://www.to5t.com/

**FS, ST MARTIN** The TO9W team will once again be QRV from November 30 until December 9. The team with K9NU, N9EP, W9AP, FS4WBS and K9EL will be active on all bands and all modes with efforts on CW. QSL via W9ILY, LoTW.

FT/W CROZET ISL After many months of efforts and negotiations, the TAAF (the body in charge of the FTs administration) has granted permission for a one-man nearly 3-month operation from

Crozet Island to Thierry F6CUK, from mid-December 2022 to mid-March 2023 (be patient!) Exact dates will come just prior to the operation. The last activity from Crozet was in 2009 by Florentin F4DYW as FT5WQ. <a href="http://crozet2022.r-e-f.org/">http://crozet2022.r-e-f.org/</a>

**FW, WALLIS & FUTUNA** Tom, KH0/KC0W informs: due to Covid this trip will be postponed. As soon the situation changes Tom will let us know when he departs Saipan.

HC8, GALAPAGOS ISL Jim WB2REM, Chris VO1IDX, Mitch KH6M and Bob KE2D will be active from Santa Cruz as HD8M. Operation during March 1-11, 2023. QSL via WB2REM direct, OQRS, LoTW. http://www.hd8m.com/index.html

**HKO, SAN ANDRES ISL** Alejandro LU8YD will be QRV as 5K0YD between September 16 and September 26. Operation on HF. QSL via IK2DUW.

**HKO, SAN ANDRES ISL** A team with LU1FM, LU7MT and LU9FHF will be active as 5J0DX and 5K0T from September 16 until September 26. Operation from 80 to 10 meter using CW and SSB. QSL via LU1FM.

**J2, DJIBOUTI** The Mediterraneo DX Club will be operating as J28MD between October 29 and November 7. A large team with IZ8CCW – IZ4UEZ – IZ3GNG – IZ2GNQ – Y08WW – AG4W – IK4QJF – DJ5IW – DL6LZM – DL8JJ – K08SCA -DL80BF – NG7M – IU8LMC will be QRV with focus on the low bands and WARC. <a href="http://mdxc.org/j28md/">http://mdxc.org/j28md/</a>

**J3**, **GRENADA** Greg, N9GB will be active as J3/call between August 13-18. Activity in 'holiday-style' from 40 to 10 meter using CW, SSB and FT8. QSL via home call.

**JD1, OGASAWARA** Nobuaki, JA0JHQ will once again be QRV as JD1BOW during September 3-5. Nobu plans some SOTA activation also during his stay. Activity on HF using CW and FT8. QSL via home call.

**KH8, SWAINS ISL** Due to the Covid-19 pandemic it is still impossible to travel to Swains Island. Alex Jennings (owner of island) and the team will start planning again sometime March 2023.

**P2, PAPUA NEW GUINEA** A DXpedition will take place in honour of the 175<sup>th</sup>anniversary of the Nikolay Miklouho Maclay. More to follow. QSL via RM0L.

**PJ4, BONAIRE** Look for PJ4/K4BAI and PJ4/KU8E between November 23-30. An entry in the CQWW CW contest is included as PJ4A. QSL via homecalls, PJ4A goes to K4BAI.

**PJ5, ST EUSTATIUS** John, W5JON will once again be active as PJ5/call from October 25 until November 4. Operation from 60 to 6 meter using SSB and FT8.

**PJ7, ST MAARTEN** Tom, AA9A will once again be operating as PJ7AA between March 4 and April 1, 2023. Activity from 80 to 10 meter using CW, SSB and FT8. QSO will be uploaded to LoTW and Club Log.

**PYOF, FERNANDO DE NORONHA** We have no firm dates on this activity, but Rodrigo PY2KC mentions he will try to be active from Fernando da Noronha sometime in 2022 as PY0FFF. Activity depends on Covid situation.

**T8, PALAU** Nobu, JA0JHQ will once again be active as T88PB between November 23 and December 4. Operation from 160 to 6 meter using CW and SSB. QSL via home call.

**T8, PALAU** JA6EGL/T88SM, JH6WDG/T88AQ and JR6DRH/T88RH will be active from the VIP Guest Hotel, Koror during January 13-20, 2023. QRV from 160 to 10 meter using CW, SSB and digi. QSL via each operators instructions.

**TL, CENTRAL AFRICAN REPUBLIC** The DXpedition to C.A.R has been rescheduled to November 2022 (at the end of the rainy season).

**TY, BENIN** The Russian DXpedition Team will be operating as TY0RU between October 10 and October 25. Operation from 160 to 6 meter using CW, SSB and FT8. QSL via Club Log OQRS, LoTW.

**V4, ST KITTS** Gary, G0FWX will once again be operating as V47FWX between August 20-31. Operation in 'holiday-style' from the V47JA QTH.

V4, ST KITTS Bob, WX4G will again be QRV as V4/call between September 20 and September 30 and again between November 14 and December 2. An entry in the CQWW CW contest is included as V48A. Operation from 160 to 6 meter using CW, SSB and FT4/8. QSL via LoTW and Club Log. VK9C, COCOS KEELING ISL Zeljko, VK6VY together with VK6CQ, VK6SJ and perhaps others will be operating as VK9CM between October 26 and November 3. Activity from 160 to 10 meter using CW, SSB and FT8. An entry in the CQWW SSB contest is included as VK9C. QSL via EB7DX. VP2M, MONTSERRAT Once again, look for Thaire, W2APF as VP2MDX between January 2 and March 31, 2023. QSL via home call.

**VP2V, BRITISH VIRGIN ISL** Dario, KP4DO will be operating from Tortola as VP2V/call. Dates not yet mentioned. More to follow.

**XU, CAMBODIA** This DXpedition had been due to take place during March, however since many of the team were from Ukraine it's clear it had to be postponed. Juris YL2GM, team leader explains: My team planned expedition XU7AKT in March. The expedition had to be cancelled due to the war in Ukraine. However, Latvian Radiosport Federation supports Ukraine during these

tough times and invites radio amateurs around the world to join this support by donating. More info can be found on the LRSF homepage: https://www.lral.lv/lrsf/index.html

YN, NICARAGUA Robert, DL7VOA will be QRV from Guacalito de la Isla as YN5AO. Dates are still in planning phase due to COVID. Operation in 'holiday-style' with a focus on the low bands. QSL via Club Log OQRS. <a href="https://www.qrz.com/db/YN5AO">https://www.qrz.com/db/YN5AO</a>

ZL7, CHATHAM ISL Jeff, K5WE will be operating as ZL7/call between September 9 and September 21. ORV from 160 to 10 meter using CW, FT4/8, SSB and RTTY. OSL via Club Log OORS or via home call. https://k5we.com/zl7-k5we/

# On the scene

AS-059 Nedorazumeniya Isl, team picture



# **Announced IOTA**

### THE NEWCOMERS

### **EUROPE**

EU-001 Karpathos Isl Claudio, HB9OAU will once again be operating as SV5/call between September 10 and September 23. Activity from 80 to 10 meter using SSB and digi in 'holidaystyle'. QSL via home call, direct or bureau, LoTW.

EU-149 Aegna Isl Ed, ES2TT will be QRV as call/1 end August. Operation on 40, 30 and 20 meter using CW and SSB. QSL via home call.

# THE REMINDERS

### **AFRICA**

AF-005 Sao Tiago Isl Harald, DF2WO will once again be active as D44TWO during September 2022. Operation from 160 to 6 meter using CW, SSB, FT8 and QO-100 SAT.

#### **ASIA**

AS-107 Samet Isl E20AX/p has had to postpone the activation of Samet Island that was originally scheduled for 8-10 January 2022 because of the Omicron outbreak. A new date is yet to be set.

AS-140 Char Kukri-Mukri The S21DX will once again be active during November 2022. They plan multiple stations from 80 to 12 meter. More to follow.

### **EUROPE**

EU-083 Gallinara Isl Team IP1X will be active from Gallinara Island, EU-083 during the weekend of 10-11th September 2022 (if WX conditions are not good they will be active the following weekend 17-18th). Two stations QRV on CW, SSB & digital modes. Team - IU1JCZ, IK1QBT, IK1CJO, I1NVU, I1WXY, IK1NEG.

QSL via IU1JCZ to the following address directly: Maurizio Vignola, Via Pineta 52 fr. Cenesi, 17035, Cisano sul Neva (SV), ITALY. Via bureau is also ok.

#### **NORTH AMERICA**

**NA-067 Hatteras Isl** Mike, WL7G will be operating as call/4 between October 24-29. Activity on 80, 40 and 20 meter using CW and SSB. QSL via home call, LoTW.

**NA-123 Turneffe Atoll** Full info still to come in, but keep an eye on the V3E QRZ page for news on an upcoming DXpedition to Mauger Caye, Turneffe Atoll, NA-123 by the Belize Amateur Radio Club.

### **OCEANIA**

**OC-012 Yap Isl** Tom, KC0W has plans to be active from Yap Island as V63COW. Exact dates will be announced as soon as travel restrictions to Micronesia are lifted. QRV on HFusing only CW. QSL via home call, no LoTW.

OC-194 South Solitary Isl A team with VK2FM, VK2VK and VK4NGN will be operating as VK2FM between August 19 and August 22. Operation on HF. QSL via VK2FM. http://vk2fm.atwebpages.com/

# **Antarctic Base**

Casey Base Warren/VK7WN is currently staying on the Australian Antarctic base Casey and operates as VK0WN during his spare time with 100 watts and an inverted V antenna for 20m. He remains at the base <u>until October</u> and will try to set up an antenna for other bands.

Marambio Base, Seymour Island AN-013 Throughout July, and likely very sporadic, look for Juan, LU4ZS to be active from Marambio Base, Seymour Island, AN-013. QRV mainly on 40 & 20m SSB. QSL via LU4DXU. Check here for any further updates.



**San Martin Base, AN-016** Bookmark and tune to 14190 <u>every Saturday in July</u> (between 1300-1700z) and try to listen for LU1ZD on San Martín Base, Barry Island, AN-016. If you hear his sigs, please record and let us know. QSL via LU4DXU.

# **Special calls**

## THE NEWCOMERS

**7X, ALGERIA 7T60I, 7U60I, 7V60I**, and **7W60I** mark 60 years of Algeria's independence <u>until August 5</u>. An award is also available; for details see the 7W60I entry at qrz.com. QSL direct via Ben Lagha, 3 Rue Claude Curtat, Meyzieu 69330, France. (TNX DXNL)

**CN, MOROCCO** Taking part in the annual Throne Day's celebrations, members of the Association Royale des Radioamateurs du Maroc (ARRAM) will be using the special prefix **CN23** between 28

<u>July and 8 August</u>. Throne Day is a public holiday in Morocco that commemorates the enthronement of the incumbent monarch. Since 1999, it has been celebrated on 30 July. (TNX 425DX) **EA, SPAIN AM30FEDIEA** is the special callsign celebrating the 30th anniversary of the Federacion Digital EA (EA3RKF) from 15 July to 15 August. QSL direct to FEDI-EA, Apartado Postal 3050, 08200 Sabadell (Barcelona), Spain. In addition, all Spanish radio amateurs may use special prefixes during the same time frame: EA stations can use AM + call area + 30 + suffix: AM330xxx = EA3xxx EB stations can use AN + call area + 30 + suffix: AN630xxx = EB6xxx EC stations can use AO + call area + 30 + suffix: AO830xxx = EC8xxx (TNX 425DX)

**SV, GREECE** Members of the Radio Amateur Association of Western Greece (SZ1A) will operate special event station **SX14ASTRO** between 22 July and 5 August for the 14th Panhellenic Expedition of Amateur Astronomers. The station will be QRV on the HF, VHF and UHF amateur bands. A number of certificates will be available, see https://sz1a.org/en/ for information. QSL via LoTW, eQSL, Club Log's OQRS, or via SZ1A. (TNX 425DX)

**TI, COSTA RICA** This year Costa Rica is the venue to organize the U20 Women's World Cup and this is reason enough to celebrate and support women's sport, to support and encourage the female gender in our radio amateur activities. The special call **TI1FIFA** will be active <u>during the month of August</u> and all QSOs will be confirmed 100% by LOTW and <u>QRZ.COM</u> Information available on our website www.radioaficioncr.net and <u>grz.com</u> profile.

### **THE REMINDERS**

**7X, ALGERIA** Celebrating the 60th anniversary of Algeria's independence from France (5 July 1962), special callsign **7T60A** will be active on 1-30 July. QSL via 7X2VFK. (TNX 425DX) **9A, CROATIA 9A652AA** and **9A655AX** are the special callsigns that Tom, 9A2AA and Josip, 9A5AX will be using throughout 2022 to mark their 65th year in amateur radio. QSL via home calls. (TNX 425DX)

**BV, TAIWAN** Ken, BW2/JP1RIW puts the special event callsign **BX0QSL** on the air from New Taipei City <u>between the 11th of July and end November</u>. QRV mainly on digital modes. QSL via BM2JCC. (TNX DXNL)

**DL, GERMANY** Club station DL0IMO will operate special callsign **DR50BAWA** throughout 2022 to celebrate the 50th anniversary of the DARC's Intruder Monitoring Service (https://www.intrudermonitoring.de/). QSL via the bureau. Started in 1972 and formerly known as Bandwacht, the Intruder Monitoring is the German branch of the IARU Monitoring System, whose primary objective is the search, classification, identification and initiation of steps leading to the removal from amateur bands of radio signals of non-amateur stations causing harmful interference to the amateur services. (TNX 425DX)

**DL, GERMANY** The DARC club Hanau (DOK F09) celebrates 85 years of amateur radio in their city with the special DOK 85AFHU for their club callsign **DL0HO** <u>during 2022</u>. QSL via bureau. (TNX DXNL)

**DL, GERMANY** The DARC club Telgte (DOK N44) celebrates its 44th anniversary in 2022 with the callsign **DP44N44T** (special DOK 44N44). An award is also available. QSL via bureau. (TNX DXNL)

**DL, GERMANY** <u>During 2022</u>, look for **DB50AFZ** for the 50th anniversary since the Deutscher Amateur Radio Club (DARC) relocated from Kiel to the Amateurfunk-Zentrum (Amateur Radio Centre), the newly built headquarters in Baunatal. All QSOs will be confirmed automatically via the bureau; direct cards via DL2VFR. (TNX 425DX)

**DL, GERMANY DF40BGK** is active <u>during 2022</u> for the 40th anniversary of DARC Ortsverband Bergkamen. QSL via the bureau, LoTW and eQSL. (TNX 425DX)

**DL, GERMANY DK050BN** is QRV <u>during 2022</u> for the 50th anniversary of Contestgruppe Bingen (DK0BN) QSL via the bureau, LoTW, direct cards via DK5PD. (TNX 425DX)

**DL, GERMANY** <u>During 2022</u>, **DL60LINDAU** is active for the DARC Ortsverband Lindau-Westallgau's 60th anniversary. All QSOs will be confirmed automatically via the bureau, direct cards via DL1CBQ. (TNX 425DX)

**DL, GERMANY** Look for **DL73AFUG** <u>during 2022</u> for the 73rd anniversary of the first Amateurfunkgesetz (AfuG), the German amateur radio regulations that came into force on 23 March 1949. QSL via operator's instructions. (TNX 425DX)

**DL, GERMANY DL75DRG** is QRV <u>until end 2022</u> for the 75th anniversary of DARC Distrikt Ruhrgebiet. QSL via operator's instructions. (TNX 425DX)

**DL, GERMANY DL75HIL** is active <u>until end 2022</u> for the 75th anniversary of DARC Ortsverband Hilden (DL0HIL/DL0CK). QSL via the bureau, LoTW and eQSL. (TNX 425DX)

**DL, GERMANY** Special callsign **DM60CSJ** is active <u>until end July</u> for the 60th anniversary of Club Station Jesewitz (DL0SAX). QSL via the bureau and eQSL, direct cards via DL2VM. (TNX 425DX) **DL, GERMANY** The special event station **DR125MB** (special DOK 125MB) draws attention to the

- Muengsten Bridge, Germany's highest railway bridge, built 125 years ago. QRV <u>until November 30</u>. QSL via bureau, LoTW, DD3JN (d). (TNX DXNL)
- **DL, GERMANY** The German section of the International Federation of Railway Radio Amateurs will put their new club callsign **DLOOF** on the air with the special DOK MKO until <u>Jan. 25 next</u> <u>year</u>. QSL via bureau and DL4CR (d). (TNX DXNL)
- **DL, GERMANY DL75RLP** is the special callsign for members of DARC's Ortsverband Mainz (DL0MZ) to celebrate the 75th anniversary of the German federal state of Rhineland-Palatinate <a href="https://dreat.org/th/html
- **DL, GERMANY** Special callsign **DLOSOP** will be active on 1-31 July for the 64th edition of the Sea Of Peace Award (see https://dl0sop.darc.de/ for full details). QSL via Club Log's OQRS, LoTW, eQSL, or direct to DL4SVA. (TNX 425DX)
- **EI, IRELAND** Special callsign **EI90IRTS** will be activated <u>throughout 2022</u> to celebrate the 90th anniversary since the founding of the Irish Radio Transmitters Society, Ireland's IARU society. QSL via EI6AL. (TNX 425DX)
- **F, FRANCE** French special callsigns to be activated for this year's 109th edition of the Tour de France include:
- **TM109TDF** (20-24 July) by Michel, F8GGZ; QSL via home call (bureau preferred). (TNX 425DX) **F, FRANCE** Celebrating the 15th anniversary of SOTA (Summits On The Air) France, special callsign **TM1SOTA** will be activated for fifteen days between 4 June and 31 July. QSL via eQSL, paper QSLs will not be available. (TNX 425DX)
- **F, FRANCE** Franck, F4DTO and Patrick, F4GFE will be active as **TM400MO** for fiftheen days between 2 May and 21 October (see qrz.com for the actual dates). The special callsign memorializes the 400th anniversary since the birth of Moliere, the French playwright widely regarded as one of the greatest writers in world literature. QSL via F4DTO. (TNX 425DX)
- **G, ENGLAND** Special event stations **GB1900HA** (operated by M0MNE) and **GB1900HW** (operated by M0TKF) are active <u>until 23 December</u> for the 1900<sup>th</sup> anniversary since the beginning of the construction of Hadrian's Wall (https://1900.hadrianswallcountry.co.uk/). QSLs via Club Log's OQRS and LoTW. A former defensive fortification which marked the boundary between Roman Britannia and unconquered Caledonia to the north, Hadrian's Wall is the largest Roman archaeological feature in Britain, and has been inscripted on the UNESCO World Heritage Site List since 1987. (TNX 425DX)
- **G, ENGLAND** Special event station **GB22HQ** will be activated from the National Exhibition Centre in Birmingham, England for the duration of the XXII Commonwealth Games, <u>from 28 July to 8 August</u>. In addition, seven special callsigns will be activated from the United Kingdom's Home Nations and Crown Dependencies <u>from 25 July until 21 August</u>: **GB22GD** (Isle of Man), **GB22GE** (England), **GB22GI** (Northern Ireland), **GB22GJ** (Jersey), **GB22GM** (Scotland), **GB22GU** (Guernsey) and **GB22GW** (Wales). QSLs via M0OXO's OQRS. (TNX 425DX)
- **G, ENGLAND GB100BBC** is the special callsign celebrating the 100th anniversary of the British Broadcasting Corporation throughout 2022. The BBC was formed on 18 October 1922, and daily radio broadcasts began on 14 November. GB100BBC will be on air from the BBC Radio Group's shack at BBC Broadcasting House in central London, as well as from other BBC premises and members' home QTHs around the UK. QSL via the bureau, LoTW and eQSL; direct cards will not be accepted. (TNX 425DX)
- **GM, SCOTLAND** PS Waverley is the world's last seagoing paddle steamer. It's also her Diamond Jubilee in 2022. To celebrate this milestone, Col MM0NDX and Frank MM0HST plan to be active /MM in mid-2022. Possibly one or two others will join them (to be determined after January). A meeting with the Waverley Steam Navigation Company in Glasgow, Scotland has been arranged for the middle of January 2022 whereby a route / itinerary will be confirmed. It's very likely the voyage will take place off the west coast of Scotland.
- HA, HUNGARY The following special event stations mark the 200th birthday of the Hungarian poet Sandor Petofi <u>until March 15, 2023</u>: **HG200AN**, **HG200DO**, **HG200EF**, **HG200IR**,

**HG2000T** und **HG200PS**. QRV on HF on CW, SSB, and FT8. An award is available as well. QSL via Club Log, LoTW. (TNX DXNL)

- **HA, HUNGARY** The Szollosi Jozsef Radio Club (HA4KYB) is joining the city of Szekesfehervar's official celebrations of the 800th anniversary of the Golden Bull (Aranybulla), the royal charter issued in 1222 which represents the first constitutional document of the nation of Hungary. Look for special callsign **HG1222BA** to be active on all bands and modes <u>throughout 2022</u>. QSL via the bureau to HA4KYB. (TNX 425DX)
- **HB9, SWITZERLAND HB75SG** is the special callsign that members of USKA St. Gallen (HB9SG) will be using <u>from 1 July to 31 December</u> to celebrate their club's 75th anniversary. QSL via LoTW (preferred) and HB9KNY. (TNX 425DX)
- HB9, SWITZERLAND HB50SH is the special callsign that members of USKA Schaffhausen,

- HB9SH (https://www.hb9sh.ch/) will be using <u>during 2022</u> to celebrate their club's 50th anniversary. QSL via LoTW, paper cards will be available only for QSOs made during the Helvetia Contest (23-24 April). (TNX 425DX)
- **HP, PANAMA H32AT** is the special callsign that Jose, HP2AT is using <u>until the end of the year</u> to mark his 32 years in amateur radio. He uploads his log to qrz.com, Club Log and eQSL on a regular basis, and will upload all QSOs to LoTW at the end of the activity. Paper QSL cards will not be available. (TNX 425DX)
- **HS, THAILAND E2WRTC** supports the preparation of the World Radiosport Team Championship from June to September. Champ/E21EIC and Zaki/E29TGW will form a team for the event to held in July 2023 in Bologna, Italy. (TNX DXNL)
- **I, ITALY** Special callsign **IR4DX** will be in use <u>between 1 June and 30 September</u> for various activities, including participation in the International Lighthouse Lightship Weekend (20-21 August) from Goro Lighthouse. QSL via eQSL and LoTW. (TNX 425DX)
- **I, ITALY** Look for **II8CAP** <u>until end 2022</u>, this to celebrate the city of Procida, the Italian Capital of Culture 2022. Operation on HF using CW, SSB and FT8. QSL via IC8ATA.
- **JA, JAPAN 8N650JP** is the special callsign for JARL's Okinawa Branch to celebrate the 50th anniversary since the Okinawa Prefecture was returned to Japan (15 May 1972) after 27 years of American administration. Look for activity <u>between 1 April and 30 September</u>. All QSOs will be confirmed automatically via the bureau. (TNX 425DX)
- **LA, NORWAY LA100B** is the special callsign for NRRL's Bergensgruppen (LA1B) to celebrate its 100th anniversary throughout 2022. Several classes of awards will be offered for contacts made with LA100B. (TNX 425DX)
- **LZ, BULGARIA LZ01MLN** is the special callsign to be used <u>until end 2022</u> by the LZ Contest Team to celebrate the 1,000,000th QSO made by the LZ9W Multi-Multi Contest Station (http://www.lz9w.com/). The mark was reached during this year's CQ WW DX SSB Contest. QSL via LZ1PM. (TNX 425DX)
- **OE, AUSTRIA OE60STMK** is the special callsign that Franz, OE6WIG and other mem- bers of OEVSV Landesverband Steiermark (OE6XFG, the Styrian region- al association within Austria's IARU society) will be using <u>from 1 July to 31 August</u> to celebrate their 60th anniversary. QSL via the bureau to OE6WIG.
- **OE, AUSTRIA OE2XXM** and **OE5XXM** (special ADL 553) will be active around the 36th International Ham Meeting in Gosau <u>from July 1 to 31</u>. QSL via bureau. (TNX DXNL) **OK, CZECH REPUBLIC** The radio club Chrudim celebrates its 75<sup>th</sup> anniversary with thecallsign
- **OL75KCR** <u>until the end of the year</u>. QSL via Club Log OQRS. (TNX DXNL)
- **ON, BELGIUM** Special event station **OR100RCBE** will be active <u>from 1 March to 31 December</u> to celebrate the 100<sup>th</sup> anniversary of the Radio Club Belge de l'Est. Established on 26 March 1922, it is nowadays' UBA GDV (Groupement de Verviers). QSL via ON4GDV. (TNX 425DX)
- **OZ, DENMARK** Radio amateurs around the world can obtain an anniversary award by having contacts using CW, Phone or Digital modes with SES **OZ5ØDDXG** <u>during 2022</u>.
- The anniversary callsign may be contacted once a month, on each band and with each modulation type. Each approved contact counts 1 point.
- The award can be sent by e-mail (free of charge) or by postal mail for 10 USD. Application is sent to award manager OZ4CG Carsten oz4cg@live.dk
- **PA, THE NETHERLANDS PI750GAZ** is the special callsign for VERON District A17 (PI4GAZ) to join the celebrations for the 750th anniversary since Gouda was granted city rights (19 July 1272). Look for activity <u>from 1 April until 30 September</u>. QSL via Club Log's OQRS, or via the bureau. (TNX 425DX)
- **PA, THE NETHERLANDS** Wino, PA0ABM is active as **PA75DXCC** <u>until 2 August</u>. QSL via Club Log's OQRS, LoTW, eQSL, or via home call. The special callsign celebrates the 75th anniversary of the first post- World War II list of DXCC members, published in the July 1947 issue of QST. (TNX 425DX)
- **PA, THE NETHERLANDS** The Dutch city of Leiden will be European City of Science in 2022, and will host a 365-day science festival "for anyone with an inquisitive mind" (https://leiden2022.nl/). Members of VERON Leiden will participate in the event and will be active as **PA22L**. QSL via bureau to PI4LDN. (TNX 425DX)
- **PA, THE NETHERLANDS** The VERON section Midden- en Noord-Limburg (A31) celebrates its 75th anniversary in 2022 with the callsign **PI75LIM**. QSL via bureau. (TNX DXNL)
- PA, THE NETHERLANDS Frans, PC2F will be active as PF01MAX between 18 March and 20 November, over the twenty-two Grand Prix weekends of this year's FIA Formula One World Championship. The special callsign stands for Max Verstappen, the defending champion who will compete under race number 1. QSL via PC2F (direct or bureau), LoTW and eQSL. (TNX 425DX) PA, THE NETHERLANDS PA100THALES is a special callsign celebrating the 100th anniversary
- of the company now known as Thales Nederland. Activity will take place between 21 April and 31

<u>December</u> from the company's five locations in the Netherlands (Eindhoven, Delft, Hengelo, Huizen and Rotterdam). QSL via PB2X.

- **PA, THE NETHERLANDS** Celebrating the 900th anniversary since Utrecht was granted city rights (2 June 1122), special **PA900UTR** is being activated on various bands and modes <u>until 11 November</u>. QSL via the bureau to PI4UTR. (TNX 425DX)
- **SO, WESTERN SAHARA S035S** is a special callsign celebrating the 35th anniversary of amateur radio in the R.A.S.D. (Western Sahara). More details including operating period to follow. It appears LoTW will not be used.
- **SM, SWEDEN** The Skoevde Amateur Radio Club (SARK, SK6EI) celebrates its 50<sup>th</sup> anniversary during 2022 with the callsign **SK50EI**. QSL via bureau, LoTW. (TNX DXNL)
- **SP, POLAND** Special callsigns **3Z75ZOT**, **HF75ZOT**, **SN75ZOT**, **SO75ZOT**, **SP75ZOT** and **SQ75ZOT** (from Wolin Island, EU-132) will be activated <u>between 1 May and 30 August</u> to celebrate the 75th anniversary of the Polish Amateur Radio Union's West Pomeranian Regional Branch (Zachodniopomorski Oddzial Terenowy) in Szczecin. QSL via operator's instructions. (TNX 425DX)
- **SP, POLAND 3Z200IL** is the special callsign for radio club SP8KJX to commemorate the 200th anniversary since the birth of Ignacy Lukasiewicz, an oil industry pioneer whose many achievements included the invention of the modern kerosene lamp. Look for activity <a href="https://www.qrz.com/db/HF9FIELD">https://www.qrz.com/db/HF9FIELD</a>. (TNX 425DX) SP, POLAND Dominik SQ9ORN, Maciek SP9RBL, Pawel SN9PJ and Thomas SP9TL will be active "out in the field" <a href="https://www.qrz.com/db/HF9FIELD">until 14 December</a>, and will operate special callsigns **HF9FIELD** (<a href="https://www.qrz.com/db/HF9FIELD">July and October</a>), SN9FIELD (<a href="https://www.qrz.com/db/HF9FIELD">Acertificate will be available for working the 3 special stations; the details will be published on <a href="https://www.qrz.com/db/HF9FIELD">https://www.qrz.com/db/HF9FIELD</a>. (TNX 425DX)
- **SP, POLAND 3Z4PAR** was a special station that Poland's Radiocommunication Agency (Panstwowa Agencja Radiokomunikacyjna, PAR) authorized to operate on 50 MHz as an experiment. The successful outcome of this operation paved the way for general availability of the Magic Band to the Polish amateur radio community. Celebrating the 30th anniversary of the very first 6m QSO in Poland (made on 5 June 1992 at 12.53 UTC between 3Z4PAR and IK1EGC), special callsign 3Z30PAR will be active from 5 June at 12.53 UTC until the end of the year. QSL via LoTW and SP4KM (direct or bureau). (TNX 425DX)
- **TI, COSTA RICA** Supporting Costa Rica's participation in the 22nd FIFA World Cup that will take place in Qatar (21 November-18 December), special callsign **TI1GOAL** will be active <u>from 1 July through December</u>. Look for activity on the HF bands SSB and FT8. QSL direct only, see https://www.qrz.com/db/TI1GOAL. The FIFA World Cup is a quadrennial international football (soccer) tournament contested by the men's national teams of the member associations of the Federation Inter- nationale de Football Association.
- **UA, RUSSIA** Celebrating the 20th anniversary of the Russian Lighthouses Award programme, managed by the Russian Robinson Club, twelve special callsigns will be activated <u>between 10 June and 31 August</u>: **RA20LH** (Kaliningrad Oblast), **RC20LH** (Leningrad Oblast), **RG20LH** (Rostov Oblast), **RK20LH** (Republic of Crimea), **RL20LH** (Primorsky Krai), **RM20LH** (Vologda Oblast), **RN20LH** (Republic of Karelia), **RO20LH** (Arkhangelsk Oblast), **RQ20LH** (Saint Petersburg), **RT20LH** (Krasnodar Krai), **RW20LH** (Sakhalin Oblast) and **RZ20LH** (Murmansk Oblast). QSL via operator's instructions. (TNX 425DX)
- **VK, AUSTRALIA VK75FAA** is a special callsign celebrating the 75th anniversary of the formation of the Fleet Air Arm, the Royal Australian Navy's aviation branch. Activity will start on 3 July from the HMAS Albatross naval air station at Nowra, New South Wales. <u>From 4 July until the end of October</u> the callsign will be used by amateurs from around Australia on a roster basis. (TNX 425DX)
- **VK, AUSTRALIA** <u>Until end 2022</u>, amateur radio operators across Australia will be using the special event callsign **VK90ABC** to celebrate the 90th anniversary of the Australian Broadcasting Corpo- ration, launched on 1 July 1932. QSL via LoTW and eQSL; neither direct nor bureau cards will be available. (TNX 425DX)
- **VR, HONG KONG** In celebration of the 25th anniversary of the Establishment of the Hong Kong Special Administrative Region, radio amateurs in Hong Kong are permitted to use the special call prefix "**VR25**" starting from 1 July 2022 onwards until 30 June 2023.
- **XE, MEXICO** This year's "San Max Special Event", in remembrance of St. Maximilian Maria Kolbe, started on 1 June and will run <u>until 04:59 UTC on 1 November</u>. The event's special callsign is **4A2MAX**; look for activity on all bands SSB, CW and digital modes. Born in 1894, Father Kolbe (SP3RN) was killed on 14 August 1941 at Auschwitz. QSL via LoTW, eQSL, Club Log's OQRS, or direct to XE2N (N5MEX). (TNX 425DX)
- **XE, MEXICO XIOX** is the special callsign for Ramon, XE1KK to use "<u>during the rest of 2022</u> mostly on digital modes". QSL via LoTW only. (TNX 425DX)

**XE, MEXICO** Zalo/XE3N celebrates the 120th anniversary of Playa del Carmen City Quintana Roo during 2022 with the callsign **6F6F**. QSL via EA5GL, LoTW. (TNX DXNL)

YB, INDONESIA 7B2C, 7B2E, 7B2T, 7B2H, and 7B2O draw attention to the Javanese-Hindu Ceto Temple, built in 1475. QRV <u>until the end of October</u> on 80, 40, 20, 15, and 10m (SSB, FT8). QSL via eQSL. (TNX DXNL)

**ZL, NEW ZEALAND** Special event station **ZL90GQ** will be on the air <u>throughout July</u> to celebrate the 90th anniversary of NZART Southland Branch 37 (ZL4GQ) based in Invercargill, New Zealand. A commemorative certificate will be available, see https://www.qrz.com/db/ZL90GQ for information.